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		82	Nister <i>et al.</i>	Growth Factor	Messenger RNAs for Platelet-der -a and Their Receptors in Human 3910-3918 (1988)			
		B 3	Ronnstrand et al.		on of Two Monoclonal Antibodies h Factor Receptor, J. Biol. Chem.		xternal Domain o	f the Platelet-
		B4	Escobedo <i>et al</i> .	A Common PD (1988)	OGF Receptor Is Activated by Horr	eodimeric A and B F	orms of PDGF, So	cience, Vol. 240
		B5	Claesson-Welsh et el.		and Expression of a Human Plate ining PDGF Molecules, Moleculer			
·		86	Johnson et el.		d Growth Factor: Identification of search Communications, Vol. 104		otide Chains, <i>Biod</i>	chemical and
 -		B7	Heldin <i>et el.</i>		erent dimeric forms of PDGF to he loumel, Vol. 7, No. 5, (1988)	ıman fibroblasts: ev	idence for two se	parate receptor
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	X	\sim	83		Betsholtz et el., "Coexpression of a PDGF-Like Growth Factor and PDGF Receptors in a Human Osteosarcoma Cell Line: Implications for Autocrine Activation" Cell, 39: 447-457 (1984)					
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Torne 1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) ATTORNEY DOCKET NO.: 14014.0266U3 **SERIAL NO. 10/770,249** APPLICANT: Matsui et al. PATENT AND TRADEMARK OFFICE **GROUP: Unassigned** FILING DATE: November 3, 2003 LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) **U.S. PATENT DOCUMENTS SUBCLA FILING DATE CLASS DOCUMENT** DATE NAME **EXAMINE** SS IF NO. INITIAL APPROPRIATE AA1 4,487,829 12/11/84 Sharp et al. FOREIGN PATENT DOCUMENTS OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) DATE CONSIDERED: **EXAMINER:**

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<u> </u>		OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) - cont'd
YC	, A16	van Driel et al. "Stoichiometric Binding of Low Density Lipoprotein (LDL) and Monoclonal Antibodies to LDL Receptors in a Solid Phase Assay" <i>J. Biol. Chem.</i> 264(16):9533-9538 (June 5, 1989)
	A17	Heldin et al. "Dimerization of B-type Platelet-derived Growth Factor Receptors Occurs after Ligand Binding and Is Closely Associated with Receptor Kinase Activation" J. Biol. Chem. 264(15):8905-8912 (May 25, 1989)
	A18	Bell et al. "Effect of Platelet Factors on Migration of Cultured Bovine Aortic Endothelial and Smooth Muscle Cells" <i>Circulation Research</i> 65(4):1057-1065 (Oct. 1989)
	A19	Coughlin et al. "Role of Phosphatidylinositol Kinase in PDGF Receptor Signal Transduction" <i>Science</i> 243:1191-1194 (Mar. 3, 1989)
	A20	Keating et al. "Platelet-derived Growth Factor Receptor Inducibility Is Acquired Immediately after Translation and Does Not Require Glycosylation" J. Biol. Chem. 264(16):9129-9132 (June 5, 1989)
	A21	Yarden et al. "Growth Factor Receptor Tyrosine Kinases" Ann. Rev. Biochem. 57:443-478 (1988)
	A22	Qiu et al. "Primary structure of c-kit: relationship with the CSF-1/PDGF receptor kinase family - oncogenic activation of v-kit involves deletion of extracellular domain and C terminus" EMBO Journal 7(4):1003-1011 (1988)
	A23	Kazlauskas et al. "Different effects of homo- and heterodimers of platelet-derived growth factor A and B chains on human and mouse fibroblasts" <i>EMBO Journal</i> 7(12):3727-3735 (1988)
	A24	Williams et al. "The Immunoglobulin Superfamily - Domains for Cell Surface Recognition" <i>Ann. Rev. Immunol.</i> 6:381-405 (1988)
	A25	Kornbluth et al. "Novel Tyrosine Kinase Identified by Phosphotyrosine Antibody Screening of cDNA Libraries" Mol. Cell. Biol. 8(12):5541-5544 (Dec. 1988)
	A26	Escobedo et al. "Role of Tyrosine Kinase and Membrane-Spanning Domains in Signal Transduction by the Platelet-Derived Growth Factor Receptor" <i>Mol. Cell. Biol.</i> 8(12):5126-5131 (Dec. 1988)
	A27	Orchansky et al. "Phosphatidylinositol Linkage of a Truncated Form of the Platelet-derived Growth Factor Receptor" <i>J. Biol. Chem.</i> 263(29):15159-15165 (Oct. 15, 1988)
	A28	Escobedo et al. "A PDGF receptor domain essential for mitogenesis but not for many other responses to PDGF" Nature 335:85-87 (Sept. 1, 1988)
٠	A29	Ruta et al. "A novel protein tyrosine kinase gene whose expression is modulated during endothelial cell differentiation" <i>Oncogene</i> 3:9-15 (1988)
	A30	Nister et al. "A Glioma-Derived PDGF A Chain Homodimer Has Different Functional Activities from a PDGF AB Heterodimer Purified from Human Platelets" <i>Cell</i> . 52:791-799 (Mar. 25, 1988)
	· A31	Keating et al. "Autocrine Stimulation of Intracellular PDGF Receptors in v-Sis-Transformed Cells" <i>Science</i> 239:914-916 (Feb. 19, 1988)
	A32	Williams et al. "The Stimulation of Paracrine and Autocrine Mitogenic Pathways by the Platelet-Derived Growth Factor Receptor" J. Cell. Physiol. Supp. 5:27-30 (1987)
	A33	Daniel et al. "Biosynthetic and Glycosylation Studies of Cell Surface Platelet-derived Growth Factor Receptors" J. Biol. Chem. 262(20):9778-9784 (July 15, 1987)
	A34	Keating et al. "Processing of the Platelet-derived Growth Factor Receptor" J. Biol. Chem. 262(16):7932-7937 (June 5, 1987)
	A35	Williams "Stimulation of Paracrine and Autocrine Pathways of Cell Proliferation by Platelet-Derived Growth Factor" Clin. Res. 36:5-10 (1987)
	136	Peralta et al. "Primary Structure and Biochemical Properties of an M ₂ Muscarinic Receptor" <i>Science</i> 236:600-605 (May 1, 1987)
	(A37	Ronnstrand et al. "Purification of the Receptor for Platelet-derived Growth Factor from Porcine Uterus" J. Biol. Chem. 262(7):2929-2932 (Mar. 5, 1987)

	OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) - contid
A38	Roussel et al. "Transforming potential of the <i>c-fms</i> proto-oncogene (CSF-1 receptor)" <i>Nature</i> 325:549-552 (Feb. 5, 1987)
A39	Williams et al. "PDGF Receptors: Structural and Functional Studies" in <u>Advances in Gene Technology: Molecular Biology of the Endocrine System</u> (Puett et al., eds.), <i>ICSU Short Reports</i> 4:168-171 (1986)
A40	Daniel et al. "Purification of the platelet-derived growth factor receptor by using an anti-phosphotyrosine antibody" <i>Proc. Natl. Acad. Sci. USA</i> 82:2684-2687 (May 1985)
A41	Kimball et al. "Epidermal Growth Factor (EGF) Binding to Membranes Immobilized in Microtiter Wells and Estimation of EGF-Related Transforming Growth Factor Activity" <i>Biochemica et Biophysica Acta</i> 771:82-88 (1984)
A42	van der Schaal et al. "An Enzyme-Linked Lectin Binding Assay for Quantitative Determination of Lectin Receptors" <i>Anal. Biochem.</i> 140:48-55 (1984)
A43	Williams et al. "Platelet-derived Growth Factor Receptors Form a High Affinity State in Membrane Preparations" J. Biol. Chem. 259(8):5287-5294 (Apr. 25, 1984)
A44	Haynes et al. "Constitutive, long-term production of human interferons by hamster cells containing multiple copies of a cloned interferon gene" <i>Nucleic Acids Research</i> 11(3):687-706 (1983)
A45	Williams et al. "Platelet-derived growth factor binds specifically to receptors on vascular smooth muscle cells and the binding becomes nondissociable" <i>Proc. Natl. Acad. Sci. USA</i> 79:5867-5870 (Oct. 1982)
A46	Glenn et al. "Platelet-derived Growth Factor" J. Biol. Chem. 257(9):5172-5176 (May 10, 1982)
Asst	Heldin et al. "Interaction of Platelet-derived Growth Factor with Its Fibroblast Receptor" J. Biol. Chem. 257(8):4216-4221 (Apr. 25, 1982)
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\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		A1_	5,965,359	10/12/99	Matsui et al.	435	6	June 2, 1995
		AZ	5,863,739	01/26/99	LaRochelle et al.	435	7.2	June 2, 1995
		A3	5,833,986	11/10/98	LaRochelle et al.	424	143.1	June 2, 1995
		, A4	5,268,358	12/07/93	Fretto	514	12	May 6, 1991
\dashv	_Д	A5	5,468,468	11/21/95	LaRochelle et al.	424	1.49	June 25, 1993
\		A6	4,699,880	10/13/87	Goldstein	435	172.2	Sept. 25, 1984
	,				FOREIGN PATENT DOCUMENTS			
	ر	A7	WD 96/20718	11 Jul96	Hart et al.	A61K	31/725	
/		A8_	WO 94/19016	01 Sept 94	Hart et al.	A61K	39/395	
		A9	WO 93/11223	10 Jun 93	Wolf et al.	C12N	1/21	
		A10	WO 93/10805	10 Jun 93	Ramakrishnan et al.	A61K	37/00	
$\sqrt{\nu}$		A11 .	W0 90/10013	07 Sept 90	Matsui et al.	C07H	21/04	
	·		OTHER	PRIOR ART (I	ncluding Author, Title, Date, Pertinent P	ages, Etc.)		
H	>	A12	Mesothelial Cel	lls in Serous	ved Growth Factor Receptor Immunoreactiving Effusions" Acta Cytologica, The Journ 22 (July-Augus 1995)	ty in Mesothe al of Clin	elioma and No ical Cytolo	onneoplastic ogy and
		A13	Koyama et al. '	'Different Fur	actions of the Platetet-Derived Growth Fact and Baboon Smooth Muscle Cells" <i>Circulatio</i>	tor-α and -β on Research	Receptors f 75(4):682-6	or the Migration 91 (October
		A14	Tiesman et al. Medium and Huma	"Identificati an Plasma" <i>Jo</i>	on of a Soluble Receptor for Platelet-deri urnal of Biological Chemistry 268(13):	ved Growth F :9621-9628 (N	actor in Cellay 1993)	ll-conditioned
		A15	β-Receptors in	the Periphera	of Platelet-Derived Growth Factor (PDGF) al Nervous System: An Analysis of Sciatic M 5(2):459-470 (Feb./1993)	and PDGF α- lerve and Dor	and sal Root Gar	nglia"
		A16	LaRochelle et a Antibody to the (July 1993)	al. "Inhibitio e Human α Plat	on of Platelet-derived Growth Factor Autocr celet-derived Growth Factor Receptor" <i>Cell</i>	rine Growth S Growth & A	timulation k Differenti	oy a Monoclonal ation 4:547-553
		A17	Huston et al. " (Eds. Gosling a	'Single-chain and Reen, publ	immunotechnology of Fv analogues and fusion ished Portland Press, London) pp 47-60 (19	n proteins" 1931	in: <i>Immuno</i>	technology
	4	A18			of Platelet-derived Growth Fector and Its R or Res. 52:1006-1012 (1992)	eceptors in	Neuroendocri	ne Tumors of
A		A19			nigratory response of 10-2 OS osteosarcoma c himie 74:183-186 (1992)	ell to the v	arious forms	of platelet-

		/0/200,245
		OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) - cont'd
W	A20	DeFeudis "PDGF Antibody and Restenosis" Drug News & Perspectives 5(1):49-51 (February 1992)
//	A21	Ferns et al. "Inhibition of Neointimal Smooth Muscle Accumulation After Angioplasty by an Antibody to PDGF" Science 253: 1129-1132 (September 6, 1991)
	A22	Krane et al. "Increased Dermal Expression of Platelet-Derived Growth Factor Receptors in Growth-Activated Skin Wounds and Psoriasis" <i>The Journal of Investigative Dermatology</i> 96(6): 983-986 (June 1991)
	A23	Yu et al. "Structural Coincidence of αPDGFR Epitopes Binding to Platelet-Derived Growth Factor-AA and a Potent Neutrali@ing Monoclonal Antibody" <i>J. Biol. Chem.</i> 269(14):10668-10674 (April 8, 1994)
	A24	Yu et al. "Tyrosine Mutations within the α Platelet-Derived Growth Factor Receptor Kinase Insert Domain Abrogate Receptor-Associated Phosphatidylinositol-3 Kinase Activity without Affecting Mitogenic or Chemotactic Signal Transduction" <i>Mol. And Cell. Biol.</i> 11(7): 3780-3785 (July 1991)
	A25	Heidaran et al. "Role of αβ Receptor Heterodimer Formation in β Platelet-derived Growth Factor (PDGF) Receptor Activation by PDGF-AB" <i>J. Biol. Chem.</i> 266(30): 20232-20237 (1991)
,	A26	Kelly et al. "Platelet-derived Growth Factor (PDGF) Stimulates PDGF Receptor Subunit Dimerization and Intersubunit <i>trans</i> -Phosphorylation" <i>J. Biol. Chem.</i> 266(14): 8987-8992 (1991)
	A27	Vassbotn et al. "A monoclonal antibody against PDGF B-chain inhibits PDGF-induced DNA synthesis in C3H fibroblasts and prevents binding of PDGF to its receptor" <i>Biochem. Biophys. Acta</i> 1054: 246-249 (1990)
	A28	Majesky et al. "PDGF Ligand and Receptor Gene Expression during Repair of Arterial Injury" <i>J. Cell Biol.</i> 111:2149-2158 (1990)
	A29	Hird et al. "Immunotherapy with Monoclonal Antibodies" <i>Genes and Cancer In: Immunotherapy and Monoclonal Antibodies</i> (published by J. P. Wiley & Sons Ltd.) pp 183-189 (1990)
	A30	Queen et al. "A humanized antibody that binds to the interleukin 2 receptor" <i>Proc. Natl. Acad. Sci. USA</i> 86:10029-10033 (December 1989)
	A31	Ashmun et al., "Monoclonal Antibodies to the Human CSF-1 Receptor (c-fms Proto-Oncogene Product) Detect Epitopes on Normal Mononuclear Phagocytes and on Human Myeloid Leukemic Blast Cells" <i>87ood 7</i> 3(3): 827-837 (February 1989)
	A32	LaRochelle et al. "Immunochemical Localization of the Epitope for a Monoclonal Antibody that Neutralizes Human Platelet-Derived Growth Factor Mitogenic Activity" <i>Mol. Cell. Biol.</i> 9(8):3538-3542 (August 1989)
•	- A33	Seifert et al. "Two Different Subunits Associate to Create Isoform-specific Platelet-derived Growth Factor Receptors" J. Biol. Chem. 264(15):8771-8778 (May.25, 1989)
	A34	Fleming et al. "Autocrine mechanism for v-5i5 transformation requires cell surface localization of internally activated growth factor receptors" <i>Proc. Natl. Acad. Sci. USA</i> 86:8063-8067 (October 1989)
	A35	Williams et al. "Signal Transduction by the Platelet-Derived Growth Factor Receptor" <i>Cold Spring Harbor Symposium on Quant. Biol.</i> pp. 455-465 (1988)
	A36	Hart et al. "Biochemical Evidence for Multiple Classes of Platelet-Derived Growth Factor Receptor" In: Growth Factors and Their Receptors: Genetic Control and Rational Application (published by Alan R. Liss, Inc.) pp. 297-305 (1989)
	A37	Hart et al. "Two Classes of PDGF Receptor Recognize Different Isoforms of PDGF" <i>Science</i> 240:1529-1531 (June 10, 1988)
	A38	Escobedo et al. "Platelet-derived Growth Factor Receptors Expressed by cDNA Transfection Couple to a Diverse Group of Cellular Responses Associated with Cell Proliferation" J. Biol. Chem. 263(3):1482-1487 (1988)
	A39	Keating et al. "Ligand activation causes a phosphorylation-dependent change in platelet-derived growth factor receptor conformation" <i>J. Biol. Chem.</i> 263: 12805-12808 (September 15, 1988)
	A40	Bishayee et al. "Characterization of a Novel Anti-Peptide Antibody that Recognizes a Specific Conformation of the Platelet-Derived Growth Factor Receptor" <i>Mol. And Cell. Biol.</i> 8(9):3696-3702 (September 1988)
	A41	Claesson-Welsh et al. "Biosynthesis and intracellular transport of the receptor for platelet-derived growth factor" <i>Proc. Natl. Acad. Sci. USA</i> 84: 8796-8800 (December 1987)
	A42	New England Biolabs Catalog (Published by New England Biolabs, Beverly, Massachusetts), pp 60-62 (1986/87)

ATTORNEY DOCKET NO. 14014.026602 SERIAL NO. 097769,987 Page 3 of 3

<u> </u>		OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) - cont'd
X	A43	Kruh et al. "A Novel Human Gene Closely Related to the <i>abl</i> Proto-Oncogene" <i>Science</i> 234:1545-1548 (December 19, 1986)
	A44	Morrison et al. "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains" <i>Proc. Natl. Acad. Sci. USA</i> 81: 6851-6855 (November 1984)
	, A45	Raines et al. "Platelet-derived Growth Factor" <i>Journal of Biological Chemistry</i> 257(9): 5154-5160 (May 10, 1982)
	A46	Genzyme Diagnostics, Research Products Catalog Page 152 "Monoclonal Mouse Anti-Human PDGF R α-Subunit" and "Monoclonal Mouse Anti-Human PDGF R β-Subunit" (1997).
EXAMINER:		HIV 1 (1) DATE CONSIDERED: 3/3/06
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		Λ OTHE	R DOCUMENT	(S) (Including Author, Title,	Date, Pertinent Pages, Etc.)				
		h	YARDEN et	al., "Structure of the Recept	tor For Platelet-Derived Grow	th Factor Helps D	efine A Family	Of Closely	
- 			Related Grov	wth Factor Receptors", Natu	re, Vol. 323:226-32, (1986)				
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	89		(1986)	A Novel Gene Closely Related to the	abl proto-Oncog	ene", <i>Science</i> , 23	4: 1545-1548
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1	B10	State of the state	King <i>et al.</i> . "A 229: 974-976	mplification of A Novel <i>v-erb</i> B-Rela (1985)	ited Gene in a Hun	nan Mammary Cai	rcinoma", <i>Science,</i>
		·					
Claesson-Weish et el., "cDNA Cloning and Expression of a Humar A-Ty Factor (PDGF) Receptor Establishes Structural Similarity to the B-Type P 86(13): 4917-4921 (1988)							
			<u> </u>				
Heldin et el., "Binding of Different Forms of PDGF Receptors To Human Fibroblasts; Evidence Receptor Types," EMBO, 7(5): 1387-1393 (1988)						Evidence for Two	
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	C1	5,094,941	03/10/92	Hart				
	C2	5,100,774	03/31/92	Rakowicz-Szulczynska				
a/	СЗ	5,219,727	06/15/93	Wang et al.				
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2000					<u> </u>			
_		OTHER DOC	UMENT(S) (Inclu	ding Author, Title, Date, Pertinent i	Pages, Etc.)			
\cdot 0	C4	Hart et el.	"Synthesis, Phosphorylation, and Degradation of Multiple Forms of the Platelet-derived Growth Factor Receptor Studied Using a Monoclonal Antibody," J. Biol. Chem. 262(22): 10780-10785 (1987).					
	C5	Kawahara et el.		nal Antibody C3.1 is a Platelet Derived Growth Factor (PDGF) t,* Biochem. Biophys. Res. Comm., 147(2); 839-845 (1987).				
	C6	Claesson-Weish et el.	1	and Expression of the Human A-ty tructural Similarity to the 8-type PD 11 (1987).			·	
	C7	Nister et el.	Growth Facto	f Messenger RNAs for Platelet-deri r-ø and Their Receptors in Human i : 3910-3918 (1988)			; ·	
	C8	Escobedo <i>et al</i> .	"A common P 1532-1534	DGF Receptor is Activated by Horr	nodimeric A and B F	Forms of PDGF, S	cience, 240:	
	сэ	Johnsson		ved Growth Factor: Identification of 104(1): 86-74 (1982)	f Constituent Polyp	eptide Chains, <i>Bio</i>	·	
of a	C10	Gronwald et al.		Expression of a cDNA Coding for the More Than One Receptor Class, <i>Pro</i>				
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